



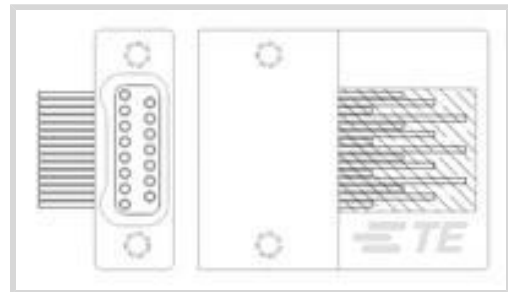
Nanonics

TE Internal #: 6-1589487-2

PCB Mount Receptacle, Horizontal, Wire-to-Board, 65 Position, .64 mm [.025 in] Centerline, Tin-Lead, Through Hole - Solder, Power, Natural

[View on TE.com >](#)

Connectors > PCB Connectors > PCB Headers & Receptacles > PCB Mount, horizontal, receptacle, 65pos



Connector System: **Wire-to-Board**

Number of Positions: **65**

Number of Rows: **2**

Centerline (Pitch): **.64 mm [ .025 in ]**

PCB Mount Orientation: **Horizontal**

[All PCB Mount, horizontal, receptacle, 65pos \(7\)](#)

## Features

### Product Type Features

Connector System	Wire-to-Board
Sealable	No
Connector & Contact Terminates To	Printed Circuit Board
PCB Connector Assembly Type	PCB Mount Receptacle

### Configuration Features

Number of Positions	65
Number of Rows	2
PCB Mount Orientation	Horizontal

### Body Features

Primary Product Color	Natural
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### Contact Features

Contact Mating Area Plating Material Thickness	1.27 – 2.28 μm[50 – 90 μin]
PCB Contact Termination Area Plating Material	Tin-Lead
Contact Base Material	Brass
Contact Mating Area Plating Material	Tin-Lead
Contact Type	Socket

### Termination Features

Rectangular Termination Post & Tail Thickness	.18 mm[.008 in]
Rectangular Termination Post & Tail Width	.23 mm[.009 in]
Termination Post & Tail Length	2.29 mm[.09 in]
Termination Method to Printed Circuit Board	Through Hole - Solder

### Mechanical Attachment

Surface Mount Extended Leads	Without
Mounting/Mating Hardware	With
Mating Alignment Type	Polarization
Mating Retention	With
Hardware Type	1.0 mm X .200" Mounting Screw
Panel Mount Feature	Without
Mating Retention Type	Jackscrew
Connector Mounting Type	Board Mount
Mating Alignment	With
PCB Mount Alignment	Without
PCB Mount Retention	Without

### Housing Features

Housing Plating Material	Nickel
Housing Material	LCP (Liquid Crystal Polymer)
Centerline (Pitch)	.64 mm[.025 in]

### Dimensions

Connector Length	25.62 mm[1.009 in]
Screw & Hole Diameter	1 mm[.039 in]
Connector Height	3.17 mm[.125 in]
Row-to-Row Spacing	1.02 mm[.04 in]

### Operation/Application

Circuit Application	Power
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### Packaging Features

Packaging Quantity	1
Packaging Type	Package

## Product Compliance

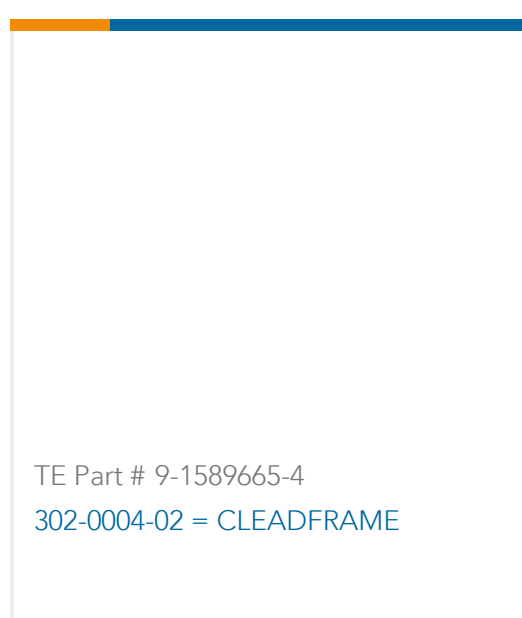
[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Not Compliant
EU ELV Directive 2000/53/EC	Not Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2022 (224) Candidate List Declared Against: JUL 2017 (174) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Yet Reviewed for halogen content
Solder Process Capability	Not lead free process capable

### Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



## Documents

### Product Drawings

[STM065M6KN = THRU-HOLE](#)

English



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**CAD Files**

**3D PDF**

3D

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-1589487-2\\_T\\_c-6-1589487-2-t.2d\\_dxf.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-1589487-2\\_T\\_c-6-1589487-2-t.3d\\_igs.zip](#)

English

**Customer View Model**

[ENG\\_CVM\\_CVM\\_6-1589487-2\\_T\\_c-6-1589487-2-t.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

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**Datasheets & Catalog Pages**

**1589487 Nanonics Cross Reference**

English